

F 6.1

® **026736** 



F132

لد

بربع



Tis

shit onf. Al L = 0 4 2 4 1 5 G K L J G P + E K G L L F T N K G K T P N E P L Y + E T G + { P F C G K G G K G H Q N K D K K G H Q N K D K K D K K D K K D K K D K K D K K D K K D K K W K K G T F P K F L K F R I R P + G 's 5 F G + 5 H L P 5 K K + 5 Y H H D A < R D F + F P K O F G H K A R V L A E + 5 D Y I K S F I I K H D R G K F G N F G N U | 0 P A I B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K F G L K B C K 医药 £ -8-3-L Ľ 2 B 2 Z

1 S W 1 B B W 1 B W 2 B W 1 B W 2 B W 3 B W3 B W 3 B W 3 B W 3 B W 3 B W 3 B W 3 B W 3 B W 3 B W 3 B W 3 B W	1 2 6 L K 1 2 6 L K 1 8 8 R ATAKGAGACTCAGA 2270			1	,	## [ 4 D S I V U D J U U L V C L V A V J I V C J V S L R C I V S L R C I V S L R C L R L R C .		Fig. 6.
--	---	--	--	---	---	--	--	---------

*	Z.	
į		1070 3060 3070
į	Z.	
44		• u k i C k k • P i k i k i k • F f k L L i L i K i f e L u L i C u i C u i C u i L u i K i k e k i C s a x i i k k i k i k e k i C k i k i k i k i k i k i k i k i k
_	ı	
•	2	
L	-	
ı	_	**
3	_	4. 9. 5. 11. 5. 7. 11. 5. 4. 4. 5. 7. 4. 5. 5. 4. 11. 7. 5. 4. 4. 4. 5. 5. 5. 5. 6. 5. 4. 5. 6. 5. 4. 5. 6. 5. 6. 5. 6. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
Ĩ.		A B B C D V O C N F G I D D L D C N I L F G X V I L V D V D V D I V D V D X Y D X
Ĩ.	_	The state of the s

Fig 0 CRP-ENV عَ ٢٣

3	P   Y V & C K * * * * * K F F * * T & L \$   5 & 3 & * E V R C * * * * * F F F F F F V V * * * * * * *
} {***	* 1 M 1 M 4 M 7 M 1 M 8 M 8 M 8 M 8 M 8 M 8 M 8 M 8 M 8
}	P G M F. C D S K T + • • • 3 V 3 W W R I R V K C Q H S I Y T W N • A S S I M S T C C C C C C C C T C I R P V S T O C C C C C C C C C C C C C C C C C C
1	C C C T A V C O K K F C C L D L P I S O T T L K P C C T S C T V L C K L I V U D  A V E W O S S M M E C S W P I S S M F F T O N M M S T A E P I C M W D L V K T  L W G S I A E L V V V I S S M F F T I I W O C W O L W C S W E M F T  INCICIIALATICCALICIACIANIACIANIACIANIACIANIACIANICALACICALACICIALANIAMIENTALACIA  INCICIIANIACICALICIACIANIACIANIACIANIACIANIACIANICALACICIALANIAMIENTALACIA  INCICIIANIACICALICIALANIAMIA DI S S S S S S S S S S S S S S S S S S
3	
3	C P L * N * * L * N * E N * L & L I " O * S L S K P O E C I O K L * R I V L I V C M C M C M C M C M C M C M C M C M C
š	C
ì	
•	110 1 2 2 6 6 5 5 5 5 6 6 6 6 7 7 7 7 7 7 7 7 7 7
	F1S 10

\$	}	TRUE TO THE TRUE TO THE TOTAL TO THE TOTAL TO THE TRUE TRUE TO THE TRUE TRUE TO THE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRU
يَّ آ	\$	TRPOWYELVYFES SKIICH COLINKWSICCUSSOSUWS SSSPO TO TISWWYS ARALLS CON TO CONTROL ON TO COLIN WE SEE TO COLIN WE SEE TREGECEMENTALIFICATE GEGE AGARING CICACCECAR ACCARING TO COLIN WE SEE WOLD ON THE COLIN WE SEE WITHOUT THE COLIN WE SEE WE SEE WITHOUT THE COLIN WE SEE WITHOUT THE COLON WE SEE WE SEE WITHOUT THE COLON WE SEE WE SE WE SEE WE
		FSALMEDITERS SPECCOVALENS FAPLICLE CLEVINL
.•	3	The control of the co
	3	L N R F G I I + P G X S C F F R L F I T Q A + V I P + L F R R K T S K R R N N K C G T D L B G V G J R F + D L M F L N P F L N + R I A F P A R R C + T R L S J N N N + I N + I X + D Y F I X + N T S L I H S L I F F S O N O G F K N F D F F I X + N T S L I H S L I F F S O N O G F K N F D F F I X + N T S L I H S L I F F S O N O G F K N F D F F I X + N T S L I H S L I F F S O N O G F K N F D F F I X + N T S L I H S L I F F S O N O G F K N F D F F I X + N T S L I H S L I F F S O N O G F K N F D F I X + N T S L I H S L I F F S O N O G F K N F D F I X + N T S L I H S L I F F S O N O G F K N F D F I X + N T S L I H S L I F F S O N O G F K N F D F I X + N T S L I H S L I F F S O N O G F K N F D F I X + N T S L I H S L I F F S O N O G F K N F D F I X + N T S L I H S L I F F S O N O G F K N F D F I X + N T S L I H S L I F S S O N O G F K N F D F I X + N T S C S S O N O G F K N F D F S S O N O G F S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S S O N O G F S O S O G F S O S O G S O S O G S O G S O G S O G S O G S O G S
•	3	NY BITO IN GOOVE SIGLIOO COOPEN A SOOF OF BANGE OF BEFT A SECOND SERICE RESPENSE A SECOND SERICE SERI
•	3	C C 1 f 7 5 E * 1 1 L C R O 1 U M 7 R f R P 1 5 U P R C D P 1 C P R E * R M R R M W R C C 1 f 7 5 E * C C E * C C C C C C C C C C C C C C
•	1	A S I C C D P F D P P D P P P P P P P P P P P P P
•	3	###   W   W   W   W   W   W   W   W   W
**	œ	00/20 00/20
		F-152 11

THE SHKH SOFIL DOS POSTO STANDARD TO STANDARD ST

PSLFHNKSLRHLLHOEEAETATKTSOVCAAGTTTGTTTCACAACAAAAGCCTTAGGCATCTCCTATGGCAGGAAGAAGCGGAGACAGCGACGAAGACCTCC
5410 5420 5430 5440 5450 5460 5470

S T C N A T Y T N S N S S I S S S N N N S N S C V V H V M Q P I Q I A I A A L V V A I I I A I V V A V M Q P I Q I A I A A L V V A I I I A I V V A A C N L Y K \* Q \* Q H \* \* \* 0 \* \* \* 0 \* L C ACTACATGATAGCAATAGCAATAGCAATAGCAATAGTTGTGTG 5530 5540 5550 5560 5570 5580 5590

I I) R L I D R L I E R A E D S G N E S E G E I S A A E D S G N E S E G E I S A A E D S G N E S E G E I S A A E D S G N E S E G E I S A A E D S G N E S E G E I S A A E D S G N E S E G E I S A A E D S G N E S E G E I S A E D S G

C M R I \* S V Y G I K A \* S H V \* N \* P H S V L V

A \* G Y N U F M G S K P K A M C K I N P T L C \* F

H E D I I S L M D 9 S. L K P C V K L T P L C V S

TGCATGAGGATATATCAGTTTATGGGATCAAAGCCTAAAGCCATGTGTAAAATTAACCCCACTCTGTTAGTT

5010 5020 5030 5040 5050 5060 5070

T P I V V A G K \* \* W R K E R \* K T A L S I S A G
T P I S S S G E M M M E K G E I K N C S F N I S I
ATACCAATAGTAGTAGCGGGGAAATGATGATGAGGAGAAGGAGATAAAAAAACTGCTCTTTTCAATATCAGCACAAA
6130 6140 6150 6160 6170 6180 6190

PRLVLRF \* N VII R R S M E O D H V O H S A

A T K T 'S S R Q S D S S S F S I K A Y S

R R P P Q G S Q T H C V S L S K Q \* V

S D E D L L K A V R L I K F L Y Q S S K \*

2GCGACGAAGACCTCCTCAAGGCAGTCAGACTCATCAAGTTTCTCTATCAAAGCAGTAAGT

5470 5480 5490 5500 5510 5520

S N S C V V H S N H R I \* E N I K T K K I A I V V H S I V I I E Y R K I L R O R K \* O \* L C G P \* \* S \* N I G K Y \* D K E K GAGCAATAGTTGTGTCCATAGTAATCATAGAATATAGGAAAATATTAAGACAAAGAAA 5590 5600 5610 5620 5630 5640

R R N I S T C G D G G N G A P C S L G G E I S A L V E M G V E M G H H A P W D K E K Y Q H L W R W G W K W G T M L L G I AGGAGAAATATCAGCACTTGTGGAGATGGGGGTGGAAATGGGGGCACCATGCTCCTTGGGA 5710 5720 5730 5740 5750 5760

C G F K Q P P L Y F V H Q M L K H M I Q V E G S N H H S I L C I R C \* S I \* Y R V H K E A T T T L F C A S D A K A Y D T E TSTGGAAGGAAGCAACCACCACTCTATTTTGTGCATGASATGCTAAAGCATATGATACAG 5330 5840 5850 5860 5870 5880

TAGTATTGGTAAATGTGACAGAAAATTTTAACATGTGGAAAAATGACATGGTAGAACAGA

5950
5960
5970
5980
5990
5990
5990
5990
5990

S H Y T G L S K G T L & A N S H T L L C CAGTCATTACACAGGCCTGTCCAAAGGTATCCTTTGAGCCAATTCCCATACATTATTGTG

6310 6320 6330 5340 6350 6360

Y Q M S A O Y N V H M F L G G \* Y O L N

C C \* M A V \* O K K R \* L D L P I S O T M L K P

A V E N O S S R R R G S N \* I C O F M R O C \* N

TGCTGTTGAATGGCAGTCTAGCAGAAGAAGAAGAGTAGTAATTAGATCTCCCAATTTCACAGACAATGCTAAAACC
6490 6500 6510 6520 6530 6540 6550

P T T I G E K V S V S R G D G E H L L G \* E K \*

O G G Y K K K Y P Y P E G T R E S I C Y N R K N

N N N N T D R K S I R I G R G P G R A F V T I G K I

CCAACAACAATACAAGAAAAAGTATCCGTATCCAGAGGGGACCAGGGAGAGCATTTGTTACAATAGGAAAAATA
6610 6620 6630 6640 6650 6660 6670

C H F K T D S \* Q I K R T I H K \* N N N L \* A N A L A N A S K L R E O F G N N K T I I F K D A T GCCACTTTAAAAACAATAATCTTTAAGCAA 6730 6740 6750 6760 6770 6780 6790

GAGGGGAATTTTTCTACTGTAATTCAACAACTGTTTAATAGTACTTGGTTTTAATAGTACTTGGAGTACTTGAATAGTACTTGGAGTACTTGGAGTACTTGAAA.

E \* N N L \* T C G R K \* E K O C M P L P S A D K L N K T I Y K H V A G S R K S N V C P S H Q R T N C P S H Q R

TTTMGPRSSDLEEEI \* GTIGEVNY

\* \* O O W V R D L O T W R R R Y E G O L E K \* I I

N N N N N G S E I F R P G G G D M R D N W R S E L

GTAATAACAACAATGGGTCCGAGATCTTCAGACCTGGAGGAGGAGATATGAGGGACAATTGGAGAAGTGAATTAT

7070 7100 7110 7120 7130 7140 7150

ESALUKOT + RINSSH G F G V A L E N S F

OR O26736

TO G P C T N V S T V O C T M G I R V S T U L

AACAGGACCATGTACAATGTCAGCACAGTACAATGTACACATGGAATTAGGCCAGTAGTATCAACTCAAC

O 6430 6430 6440 6450 6460 6470 6490

PISOTMLKP \* Y S \* T N L \* K L I V U D

OFHROC \* N H N S T A E PIC R N \* L Y K T

MFT D N A K T I I V O L N S V E I N C T R

CAATTTCACAGACAATGCTAAAAGACAATAATGTACAAGAC

CAATTTCACAGACAATGCTAAAAAATAATGTACAAGAC

O 6540 6550 6560 5570 5580 6590 6500

F H L L Q \* E K \* E I \* C K H I V T L V F Q N G
S I C Y N F K N P K Y E T S T L \* H \* \* S K M E
A F V T I G K I G N M R Q A H C T S R A K W N
AGCATTTGTTACAATAGGAAAAATAGGAAATATGAGACAAGCACATTGTAACATTAGTAGAGCAAATGGA
B 6660 6670 6680 6690 6700 6710 6720

\*\* N :: V L \* A I L R R G P R N C N A Q F \* L W

N K T I I F K O S S G G D P E I V T H S F N C G

TAATAAAACAATAATCTTTAAGCAATCCTCAGGAGGGGGCCCAGAAATTGTAACGCACAGTTTTAATTGTG

6780 6790 6800 6810 5920 6830 6840

THE THE TOTAL CONTRACTOR AGGGT CA AATA ACACT GAAGGAAGT ACACACT CACCACT CACACT C

PELCSLGSWEODEALWAMGO\*R\*R
RSFVPWVLGSSRKHYGRTVNDADG
GALFLGFLGAAGSTMGARSMTLTV

\text{GGAGCTTTGTTCCTTGGGAGCAGCAGCAGCAGCACGGTCAATGACGCTGACGG}
\text{7260} 7270 7290 7300 7310 7320

G L L R R N S I C C N S Q S G A S S S S R O

A E G Y \* G A T A S V A T H S L G H Q A A P G K
L R A I E A Q Q H L L Q L T V W G I K Q L Q A R

TCTGAGGGCTATTGAGGCGCAACAGCATCTGTTGCAACTCCAGGCATCAAGCAGCTCCAGGCAA

7380 7390 7400 7410 7420 7430 7440

G V A L F N S F A P L L C L G M L V G V I N L

N P G C G K I P K G S T A P G D L G L B 0267,36.

I L A V E R Y L K D O U L G I W G C S G K L I

GAATCCTGGCTGTGGAAAGATACCTAAAGGATCAACAGCTCCTGGGGATTTGGGGTTGCTCTGGAAAACTCAT
7450 7460 7470 7480 7490 7500 7510

N Y N N \* I N G O V C S I G L T \* 3 I G C G I \*
I I G I R \* M G K F V E L V \* M N K L A V V Y K
L L E L D K N A S L N N W F N I T N H L W Y I K
AATTATTGGAATTAGATAAATGGGCAAGTTTGTGGAATTGGTTTAACATAACAAATTGGCTGTGGTATATAAA
7690 7700 7710 7720 7730 7740 7750

L L Y F L \* \* I E L G R D I H H Y R F R P T S O C C T F Y S E \* S \* A G I F T I I V S D P P P N A V L S I V /N R V R O G Y S P L S F O T H L P T TIGCTGTACTTTCTATAGTGAATAGAGTTAGGCAGGGATATTCACCATTATCGTTTCAGACCCACCTCCCAAC7810 7820 7830 7840 7850 7860 7870

RETET DPFD \* \* TDP \* HLSGTICGA (
ERUPDIHS ISERILS TYLGRS AEP
RDRDRS IRLV NGS)LALIW DDLRSL
AGAGAGACAGACAGATCCATTAGTGAACGGATCCTTAGCACTTATCTGGGACGATCTGCGGAGCCT
7930 7940 7950 7960 7970 7980 7990

A I A V A E G T D R V I E V V Q G A C R A I R H I
P \* J \* L R G Q I G L \* K \* Y K E L V E L F A T
H S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
H S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
A S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S \* G D R \* G Y R S S T R 5 L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S T R S S L \* S Y S P H
B S S S T R S S L \* S Y S P H
B S S S T R S S L \* S Y S P H
B S S S S T R S S L \* S Y S P H
B S S S T R S S L \* S Y S P H
B S S S S T R S S S T R S S L \* S Y S P H
B S S S S T R S S S T R S S L \* S Y S P H
B S S S S T R S S S T R S S L \* S Y S P H
B S S S S T R S S S T R S S L \* S Y S P H
B S S S S T R S S S T R S S L \* S Y S P H
B

UGSCRSOPLFKRKGGTGRANS LUNNER

G K L H L H H C C A L E C + L E + 1 S
G K L I C T T A V P W N A S W S N K

CTGGAAAACTCATTTGCACCACTGCTGTGCCTTGGAATGCTAGTTGGAGTAATAAATCTC

7510 7520 7530 7540 7550 7560

QÃ + YIP \* L K N R K T S K K R M N K K L N T F L N \*\* R I A K P A R K E \* T R ) S L I H S L I E E S D N Q Q E K N E Q E DAGCTTAATACATTCCTTAATTGAAGAATCGCAAAAGCAACAAG 7630 7640 7650 7660 7670 7680

C G I \* K Y S \* \* \* \* E A W \* V \* E \* F
V V Y K N I H N D S R R L G R F K N S F
W Y I K I F I M I V G G L V G L/R/I V F
\*GTGGTATATAAAAATATTCATAATGATAGTAGGAGGCCTTGGTAGGTTTAAGAATAGTTT
7750 7760 7770 7780 7790 7800

PTSQPRGDPTGPKE \* KKKYE
PPPNPEGTRQARRNRRRWR
THLPTPRGPDRPEGIEEEGGE
CCACCTCCCAACCCCGAGGGGACCCGACAGGCCCGAAGGAATAGAAGAAGGTGGAG
7870 7830 7390 7300 7310 7320

I C G A L C L F S Y H R L R D L L L I V

S A E P C A S S A T T A \* E T Y S \* L \*

L R S L V P L O L P P L E R L T L D C N

TCTGCGGAGCCTTGTGCCTCTTCAGCTACCACCGCTTGAGAGACTTACTCTTGATTGTA

7990 8000 8010 8020 8030 8040

L L O Y H S O E L K N S A V S L L N A T
S Y S I G V R N + R I V L L A C S M P O
P T V L E S G T K E + C C + L A O C H S
TCCTACAGTATTGGAGTCAGGAACTAAGGAATAGTGCTGTTAGCTTGCTCAATGCCACA
3110 8120 8130 8140 9150 8160

A I P H I P R R I R O G L E R I L L \* D
L F A T Y L E E \* D R A M K G F C Y K M
Y S P H T \* K N K T G L G K D F A I R W
TIATTCGCCACATACCTAGAAGAATAAGACAGGGCTTGGAAAGGATTTTGCTATAAGAT
8230 8240 8250 3260 8270 8280

UD

(igh

30 40 AAGCTTGCCT TGAGTGCTTC AAGTAGTGTG TGCCCGTCTG TTGTGTGACT CTGGTAACTA GAGATCCCTC AGACCETTTT AGTCAGTGTG GAAAATCTCT AGCAGTGGCG CCCGAACAGG 160 GACTTGAAAG CGAAAGGGAA ACCAGAGGAG CTCTCTCGAC GCAGGACTCG GCTTGCTGAA 220 GCGCGCACGG CAAGAGGCGA GGGGAGGCGA CTGGTGAGTA CGCCAAAAAT TTTGACTAGC 270 280 GGAGGCTAGA AGGAGAGAGA TGGGTGCGAG AGCCTCAGTA TTAAGCGGGG CAGAATTAGA TEGATEGGAA AAAATTEGGT TAAGGEEAGG GGCAAAGAA AAATATAAAT TAAAACATAT AGTATGGGCA AGCAGGGAGC TAGAACGATT CGCTGTTAAT CCTGGCCTGT TAGAAACAIC AGAAGGCTGT AGACAAATAC TGGGACAGCT ACAACCATCC CTTCAGACAG GATCAGAAGA 520 ACTTAGATCA TTATATAATA CAGTAGCAAC CCTCTATTGT GTGCATCAAA GGATAGAGA: 570 580 630 640 AGCACAGCAA GCAGCAGCTG ACACAGGACA CAGCAGCCAG GTCAGCCAAA ATTACCCTAT AGTGCAGAAC ATCCAGGGGC AAATGGTACA TCAGGCCATA TCACCTAGAA CTTTAAATGC 750 760 ATGGGTAAAA GTAGTAGAAG AGAAGGCTTT CAGCCCAGAA GTGATACCCA TGTTT.TCAGC 820 830 ATTATCAGAA GGAGCCACCC CACAGATTT AAACACCATG CTAAACACAG TGGGGGGACA TCAAGCAGCC ATGCAAATGT TAAAAGAGAC CATCAATGAG GAAGCTGCAG AATGGGATAG 930 940 AGTGCATCCA GTGCATGCAG GGCCTATTGC ACCAGGCCAG ATGAGAGAAC CAAGGGGAAG 1000 1010 TGACATAGCA GGAACTACTA GTACCCTTCA GGAACAAATA GGATGGATGA CAAATAATCC 1050 1060 ACCTATCCCA GTAGGAGAA TITATAAAAG ATGGATAATC CTGGGATTAA ATAAAATAGT 1090 1100 1110 1120 1130 1140

AASAATGTAI AGCCCTACCA GCATTCTGGA CATAAGACAA GGACCAAAAG AACCCTTTAG 1150 1160 1170 1130 1190 1200
AGACTATGTA GACCGGTTC' ATAAAACTCT AAGAGCCGAG CAAGCTTCAC AGGAGGTAAA AAATTGGATG ACAGAACCT TGTTGGTCCA AAATGCGAAC CCAGATTGTA AGACTATTTT AAAAGCATTG GGACCAGCAG CTACACTAGA AGAAATGATG ACAGCATGTC AGGGAGTGGG AGGACCCGGC CATAAGGCAA CAGTTTTGGC TGAAGCAATG AGCCAAGTAA CAAATTCAGC TACCATAATG ATGCAAAGAG GCAATTITAG GAACCAAAGA AAGATTGTTA AGTGTTTCAA TTGTGGCAAA GAAGGGCACA TAGCCAGAAA TTGCAGGGCC CCTAGGAAAA AGGGCTGTTG GAAATGTGGA AAGGAAGGAC ACCAAATGAA AGATTGTACT GAGAGACAGG CTAATTTTTT AGGGAAGATC TGGCCTTCCT ACAAGGGAAG GCCAGGGAAT TTTCTTCAGA GCAGACCAGA GCCAACAGCC CCACCAGAAG AGAGCTTCAG GTCTGGGGTA GAGACAACAA CTCCCTCTCA GAAGCAGGAG CCGATAGACA AGGAACTGTA TCCTTTAACT TCCCTCAGAT CACTCTTTGG 176C CAACGACCC TCGTCACAAT AAAGATAGGG GGGCAACTAA AGGAAGCTCT ATTAGATACA GGAGCAGATG ATACAGTATT AGAAGAAATG AGTTTGCCAG GAAGATGGAA ACCAAAAATG ATAGGGGGAA TTGGAGGTTT TATCAAAGTA AGACAGTATG ATCAGATACT CATAGAAATC TOTGGACATA AAGCTATAGG TACAGTATTA GTAGGACCTA CACCTGTCAA CATAATTGGA AGAAATCTGT TGACTCAGAT TGGTTGCACT TTAAATTTTC CCATTAGTCC TATTGAAACT GTACCAGTAA AATTAAAGCC AGGAATGGAT GGCCCAAAAG TTAAACAATG GCCATTGACA GAAGAAAAA TAAAAGCATT AGTAGAAATT TGTACAGAAA TGGAAAAGGA AGGGAAAATT TCAAAAATTG GGCCTGAAAA TCCATACAAT ACTCCAGTAT TTGCCATAAA GAAAAAAGAC AGTACTAAAT GGAGAAAATT AGTAGATTIC AGAGAACTTA ATAAGAGAAC TCAAGACTIC TGGGAAGTTC AATTAGGAAT ACCACATCC GCAGGGTTAA AAAAGAAAAA ATCAGTAACA 

F1390

GIECTGONIO TGGGTGATGC ATATTITICA GTTCCCITAG ATGAAGACTI CAGGAAGTAT ACTICATTTA CCATACCTAG TATAAACAAT GAGACACCAG GGATTAGATA TCAGTACAAT GTGCTTCCAC AGGGATGGAA AGGATCACCA GCAATATTCC AAAGTAGCAT GACAAAAATC TTAGAGCCTT TTAGAAAACA AAATCCAGAC ATAGTTATCT ATCAATACAT GGATGATTTG TATGTAGGAT CTGACTTAGA AATAGGGCAG CATAGAACAA AAATAGAGGA GCTGAGACAA CATCTGTTGA GGTGGGGACT TACCACACCA GACAAAAAAC ATCAGAAAGA ACCTCCATTC CTTTGGATGG GTTATGAACT CCATCCTGAT AAATGGACAG TACAGCCTAT AGTGCTGCCA GAAAAAGACA GCTGGACTGT CAATGACATA CAGAAGTTAG TGGGAAAATT GAATTGGGCA AGTCAGATTT ACCCAGGGAT TAAAGTAAGG CAATTATGTA AACTCCTTAG AGGAACCAAA GCACTAACAG AAGTAATACC ACTAACAGAA GAAGCAGACC TAGAACTGGC AGAAAACAGA GAGATTCTAA AAGAACCAGT ACATGGAGTG TATTATGACC CATCAAAAGA CTTAATAGCA GAAATACAGA AGCAGGGCA AGGCCAATGG ACATATCAAA TTTATCAAGA GCCATTTAAA AATCTGAAAA CAGGAAAATA TGCAAGAACG AGGGGTGCCC ACACTAATGA TGTAAAACAA TTAACAGAGG CAGTGCAAAA AATAACCACA GAAAGCATAG TAATATGGGG AAAGACTCCT ABATTTABAC TACCCATACA ABAGGABACA TGGGABACAT GGTGGACAGA GTATTGGCAB GCCACCTGGA TTCCTGAGTG GGAGTTIGTC AATACCCCTC CTTTAGTGAA ATTATGCTAC CAGTTAGAGA AAGAACCCAT AGTAGGAGCA GAAACGTTCT ATGTAGATGG GGCAGCTAGC AGGGAGACTA AATTAGGAAA AGCAGGATAT GTTACTAATA GAGGAAGACA AAAAGTTGTC ACCCTAACTG ACACAACAAA TCAGAAGACT GAGTTACAAG CAATTCATCT AGCTTTGCAG GATTCGGGAT TAGAAGTAAA TATAGTAACA GACTCACAAT ATGCATTAGG AATCATTCAA GCACAACCAG ATAAAAGTGA ATCAGAGITA GTCAATCAAA TAATAGAGCA GTTAATAAAA 

Vig 31

W 026736

ALG.AAAAS TOTATOTGGO ATGGGTACCA GCACACAAAS GAATTGGAGG AAATGAACAA GTAGATAAAT TAGTCAGTGC TGGAATCAGG AAAGTACTAT TTTTAGATGG AATAGATAAG CCCCAAGATG AACATGAGAA ATATCACAGT AATTGGAGAG CAATGGCTAG TGATTTTAAC CTGCCACCTG TAGTAGCAAA AGAAATAGTA GCCAGCTGTG ATAAATGTCA GCTAAAAGGA GAAGCCATGC ATGGACAAGT AGACTGTAGT CCAGGAATAT GGCAACTAGA TTGTACACAT TTAGAAGGAA AAGTTATCCT GGTAGCAGTT CATGTAGCCA GTGGATATAT AGAAGCAGAA GTTATTCCAG CAGAAACAGG GCAGGAAACA GCATACTTC TTTTAAAATT AGCAGGAAGA TGGCCAGTAA AAACAATACA TACAGACAAT GGCAGCAATT TCACCAGTAC TACGGTTAAG GCCGCCTGTT GGTGGGCGGG AATCAAGCAG GAATTTGGAA TTCCCTACAA TCCCCAAAGT CAAGGAGTAG TAGAATCTAT GAATAAAGAA TTAAAGAAAA TTATAGGCCA GGTAAGAGAT CAGGCTGAAC ATCTTAAGAC AGCAGTACAA ATGGCAGTAT TCATCCACAA TTTTAAAAGA AAAGGGGGGA TTGGGGGGTA CAGTGCAGGG GAAAGAATAG TAGACATAAT AGCAACAGAC ATACAAACTA AAGAATTACA AAAACAAATT ACAAAAATTC AAAATTTTCG GGTTTATTAC AGGGACAGCA GAGATCCACT TTGGAAAGGA CCAGCAAAGC TCCTCTGGAA AGGTGAAGGG GCAGTAGTAA TACAAGATAA TAGTGACATA AAAGTAGTGC CAAGAAGAAA AGCAAAGATC ATTAGGGATT ATGGAAAACA GATGGCAGGT GATGATTGTG TGGCAAGTAG ACAGGATGAG GATTAGAACA TGGAAAAGTT TAGTAAAACA CCATATGTAT GTTTCAGGGA AAGCTAGGGG ATGGTTTTAT AGACATCACT ATGAAAGCCC TCATCCAAGA ATAAGTTCAG AAGTACACAT CCCACTAGGG GATGCTAGAT TGGTAATAAC AACATATTGG GGTCTGCATA CAGGAGAAAG AGACTGGCAT CTGGGTCAGG GAGTCTCCAT AGAATGGAGG AAAAAGAGAT ATAGCACACA AGTAGACCCT GAACTAGCAG ACCAACTAAT YCATCTGTAT TACTTTGACT GTTTTTCAGA 

u4

CICIGUTATA AGAAAGUCCT TATTAGGACA TATAGTIAGO CCTAGGTGTG AATATCAAGO AGGACATAAC AAGGTAGGAT CYCYACAATA CTTGGCACTA GCAGCATTAA TAACACCAAA AAAGATAAAG CCAGCTTTGC CTAGTGTTAC GAAACTGACA GAGGATAGAT GGAACAAGCC CCAGAAGACC AAGGGCCACA GAGGGAGCCA CACAATGAAT GGACACTAGA GCTTTTAGAG GAGCTTAAGA ATGAAGCTGT TAGACATTTT CCTAGGATTT GGCTCCATGG CTTAGGGCAA 5210. CATATCTATG AAACTTATGG GGATACTTGG GCAGGAGTGG AAGCCATAAT AAGAATTCTG CAACAACTGC TGTTTATCCA TTTCAGAATT GGGTGTCGAC ATAGCAGAAT AGGCGTTACT CAACAGAGGA GAGCAAGAAA TGGAGCCAGT AGATCCTAGA CTAGAGCCCT GGAAGCATCC AGGAAGTCAG CCTAAAACTG CTTGTACCAC TTGCTATTGT AAAAAGTGTT GCTTTCATTG CCAAGTTTGT TTCACAAGAA AAGCCTTAGG CATCTCCTAT GGCAGGAAGA AGCGGAGACA GCGACGAAGA CCTCCTCAAG GCAGTCAGAC TCATCAAGTT TCTCTATCAA AGCAGTAAGT 5540 ° AGTACATGTA ATGCAACCTA TACAAATAGC AATAGCAGCA TTAGTAGTAG CAATAATAAT AGCAATAGTT GTGTGGTCCA TAGTAATCAT AGAATATAGG AAAATATTAA GACAAAGAAA AATAGACAGG ITAATIGATA GACTAATAGA AAGAGCAGAA GACAGTGGCA ATGAGAGTCA AGGAGAAATA TCAGCACTIG TGGAGATGGG GGTGGAAATG GGGCACCATG CTCCTTGGGA TATTGATGAT CTGTAGTGCT ACAGAAAAAT TGTGGGTCAC AGTCTATTAT GGGGTACCTG TGTGGAAGGA AGCAACCACC ACTCTATTTT GTGCATCAGA TGCTAAAGCA TATGATACAG AGGTACATAA TGTTTGGGCC ACACATGCCT GTGTACCCCA AGACCCCAAC CCACAGAAG TAGTATIGGT ANATGIGACA GAAAATITTA ACATGIGGAA AAATGACATG GTAGAACAGA TGCATGAGGA TATAATCAGT TTATGGGATC AAAGCCTAAA GCCATGTGTA AAATTAACCC CACTCTGTGT TAGTTTAAAG TGCACTGATT TGGGGAATGC TACTAATACC AATAGTAGTA ر ح 

(19°

ATACCAATAG TAGTAGCGGG GAAATGATGA TGGAGAAAGG AGAGATAAAA AACTGCTCTT -6240 T.CAATATCAG CACAAGCITA AGAGGTAAGG TGCAGAAAGA ATATGCATIT TTTTATAAAC TTGATATAAT ACCAATAGAT AATGATACTA CCAGCTATAC GTTGACAAGT TGTAACACCT CAGTCATTAC ACAGGCCTGT CCAAAGGTAT CCTTTGAGCC AATTCCCATA CATTATTGTG .6370 541C CCCCGGCTGG TTTTGCGATT CTAAAATGTA ATAATAAGAC GTTCAATGGA ACAGGACCAT TGCTGTTGAA TGGCAGTCTA GCAGAAGAAG AGGTAGTAAT TAGATCTGCC AATTTCACAG ACAATGCTAA AACCATAATA GTACAGCTGA ACCAATCTGT AGAAATTAAT TGTACAAGAC CCAACAACAA TACAAGAAAA AGTATCCGTA TCCAGAGGGG ACCAGGGAGA GCATTTGTTA CAATAGGAAA AATAGGAAAT ATGAGACAAG CACATTGTAA CATTAGTAGA GCAAAATGCA ATGCCACTTT AAAACAGATA GCTAGCAAAT TAAGAGAACA ATTTGGAAAT AATAAAACAA 6 3 40 TAATCTITAA GCAATCCTCA GGAGGGGACC CAGAAATTGT AACGCACAGT TITAATTGTG GAGGGGAATT TITCTACTGT AATTCAACAC AACTGTTTAA TAGTACTTGG TITAATAGTA CTTGGAGTAC TGAAGGGTCA AATAACACTG AAGGAAGTGA CACAATCACA CTCCCATGCA GAATAAAACA ATTTATAAAC ATGTGGCAGG AAGTAGGAAA AGCAATGTAT GCCCCTCCCA 7080 -TCAGCGGACA AATTAGATGT TCATCAAATA TTACAGGGCT GCTATTAACA AGAGATGGTG GTAATAACAA CAATGGGTCC GAGATCTTCA GACCTGGAGG AGGAGATATG AGGGACAATT GGAGAAGTGA ATTATAAA TATAAAGTAG TAAAAATTGA ACCATTAGGA GTAGCACCCA CCAAGGCAAA GAGAAGAGTG GTGCAGAGAG AAAAAAGAGC AGTGGGAATA GGAGCTTTGT TCCTTGGGTT CTTGGGAGCA GCAGGAAGCA CTATGGGCGC ACGGTCAATG ACGCTGACGG TACAGGCCAG ACAATTATTG TCTGGTATAG TGCAGCAGCA, GAACAATTTG\_CTGAGGGCTA yu 

Sy.

TTUAGGEGEA ACAGEÁTETO ITGENACTEN CAGIETGGGG CATCANGENG ETECNIGGENA GAATCCTGGC TGTGGAAAGA FACCFAAAGG ATCAACAGCT CCTGGGGATT TGGGGTTGCT CTGGAAAACT CATTTGCACC ACTGCTGTGC CTTGGAATGC TAGTTGGAGT AATAAATCTC TGGAACAGAT TTGGAATAAC ATGACCTGGA TGGAGTGGGA CAGAGAAATT AACAATTACA CAAGCTTAAT ACATTCCTTA ATTGAAGAAT CGCAAAACCA GCAAGAAAAG AATGAACAAG AATTATIGGA ATTAGATAAA TGGGCAAGTT TGTGGAATTG GTTTAACATA ACAAATTGGC TGTGGTATAT AAAAATATTC ATAATGATAG TAGGAGGCTT GGTAGGTTTA AGAATAGTTT TESCEGRACE TECHATAGES ANTAGAGETA GGCAGGGATA TECACCATEA ECGETECAGA CCCACCTCCC AACCCCGAGG GGACCCGACA GGCCCGAAGG AATAGAAGAA GAAGGTGGAG AGAGAGACAG AGACAGATCC ATTCGATTAG TGAACGGATC CTTAGCACTT ATCTGGGACG ATCTGCGGAG CCTTGTGCCT CTTCAGCTAC CACCGCTTGA GAGACTTACT CTTGATTGTA ACGAGGATTG TGGAACTTCT GGGACGCAGG GGGTGGGAAG CCCTCAAATA TTGGTGGAAT CTCCTACAGT ATTGGAGTCA GGAACTAAAG AATAGTGCTG TTAGCTTGCT CAATGCCACA GCCATAGCAG TAGCTGAGGG GACAGATAGG GTTATAGAAG TAGTACAAGG AGCTTGTAGA GCTATTCGCC ACATACCTAG AAGAATAAGA CAGGGCTTGG AAAGGATTTT GCTATAAGAT GGGTGGCAAG IGGTCAAAAA GTAGTGTGGT IGGATGGCCT ACTGTAAGGG AAAGAATGAG ACGAGCTGAG CCAGCAGCAG ATGGGGTGGG AGCAGCATCT CGAGACCTGG AAAAACATGG AGCAATCACA AGTAGCAATA CAGCAGCTAC CAATGCTGCT TGTGCCTGGC TAGAAGCACA AGAGGAGGAG GAGGTGGGTT TTCCAGTCAC ACCTCAGGTA CCTTTAAGAC CAATGACTTA CAAGGCAGCT GTAGATCTTA GCCACTTTTT AAAAGAAAG GGGGGACTGG AAGGGCTAAT TCACTCCCAA CGAAGACAAG ATATCCTTGA TCTGTGGATG TACCACACAC AAGGCTACTT N 

CCCTGATTGG CAGAACTACA CACCAGGGCC AGGGGTCAGA TATCCACTGA CCTTTGGATG 972Q **H750** GTGCTACAAG CTAGTACCAG TYGAGCCAGA TAAGGTAGAA GAGGCCAATA AAGGAGAGAA CACCAGCTTG TTACACCCTG TGAGCCTGCA TGGAATGGAT GACCCTGAGA GAGAAGTGTT AGAGTGGAGG TITGACAGCC GCCTAGCATT TCATCACGTG GCCCGAGAGC TGCATCCGGA GTACTTCAAG AACTGCTGAC ATCGAGCTTG CTACAAGGGA CTTTCCGCTG GGCACTTTCC 8990 . AGGGAGGCGT GGCCTGGGCG GAACTGGGGA GTGGCGAGCC CTCAGATGCT GCATATAAGC AGCTGCTTTT TGCCTGTACT GGGTCTCTCT GGTTAGACCA GATTTGAGCC TGGGAGCTCT CTGGCTAACT AGGGAACCCA CTGCTTAAGC CTCAATAAAG CTT

 $\ell \mathcal{U}$